

ANNUAL REPORT

ON THE

SANITARY CONDITION

OF THE

FYLDE RURAL DISTRICT,

FOR THE YEAR 1908.



CHARLES COURT, M.B.,

Medical Officer of Health.



KIRKHAM:

PRINTED BY J. RIGBY, POULTON STREET AND BIRLEY STREET.
1909.

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FYLDE RURAL DISTRICT,
FOR THE YEAR 1908.

*To the Chairman and Members of the Fylde Rural
District Council.*

GENTLEMEN,

I have much pleasure in submitting for your consideration my SEVENTH ANNUAL REPORT on the Health and General Sanitary Conditions of your district. This Report will contain an account of the various influences affecting injuriously the health of the community and the measures taken to combat them, also the various tables of vital statistics.

The area of the district dealt with in this Report is, according to the Census return, 38,768 acres, and the population is estimated at 11,388, an increase of 130 on last year's estimate; the latter figure being the excess of births over deaths.

This population is exclusive of the inmates of the Fylde Union Workhouse, the number of whom being 250. The total number of deaths during the year in the Workhouse was 48, and

the following are the districts from which they were admitted :—
 Lytham 3, Blackpool 26, Fleetwood 5, Poulton 2, Kirkham 7, St.
 Annes 3, Manchester 2.—Total 48.

SECTION I.

VITAL STATISTICS.

BIRTHS.—The number of births registered in the district during the year ended December 31st last amounted to 287, against 304 in the year 1907, a decrease of 17. The birth-rate was equal to 25·2 per 1,000 of the estimated population. Last year the rate was 27·0 per 1,000, and the average of the ten years 1898–1907 was 26·0. The following tabular statement gives the number of births in each of the four registration sub-districts, and also the sex distribution :—

Sub-Districts				Males		Females		Total
Fleetwood	...	...	...	26	...	19	...	45
Blackpool	...	...	...	32	..	30	...	62
Kirkham	...	...	...	79	...	92	...	171
Lytham	...	...	...	7	...	2	...	9
Whole District				144		143		287

Table I. appended shows the number of births and the birth-rate for 1908 compared with the ten preceding years.

MORTALITY.

DEATHS.—The total number of deaths registered in the whole district during the year was 212, but to ascertain the nett deaths at all ages actually belonging to the district, 48 deaths occurring in the Fylde Union Workhouse, 9 deaths in the Fylde Joint Hospital at Moss Side, and 1 death in the Fylde, Preston and Garstang Joint Small-pox Hospital at Elswick (all of persons not belonging to the Fylde Rural area) must be deducted, and 3 deaths have to be added which occurred in the Victoria Hospital, Blackpool, of persons belonging to this district. The number of deaths, therefore, belonging to the Fylde District was 157, as compared

with 141 in the year 1907. The corrected death-rate corresponded to 13·7 per 1,000 of the population; exactly the same as the average of the preceding decade. Last year the rate was 12·5, 12·0 in 1906, 12·1 in 1905, 11·9 in 1904, and 14·7 in 1903.

The distribution of deaths was as under:—

Sub-Districts	Males	Females	Total
Fleetwood	13	11	24
Blackpool	11	17	28
Kirkham	47	57	104
Lytham	—	1	1
Whole District ...	71	86	157

Below I give the corrected number of deaths in each township, together with the death-rate per 1,000 of the population.

	Number of Deaths	Rate per 1,000 per annum
Carleton	11	13·3
Singleton	6	15·3
Elswick	6	22·3
Little Eccleston-with-Larbreck	1	5·0
Marton	22	14·5
Hardhorn, Staining and Newton	6	8·8
Freckleton	21	15·2
Medlar-with-Wesham	26	13·0
Bryning-with-Kellamergh ...	3	22·3
Clifton-with-Salwick	6	13·8
Greenhalgh-with-Thistleton ...	2	4·6
Newton-with-Scales	4	16·4
Ribby-with-Wrea	11	19·4
Treales, Roseacre and Wharles	8	15·4
Warton	11	23·0
Weeton-with-Preese	6	15·3
Westby-with-Plumpton	6	10·3
Little Marton... ..	1	2·6
Whole District	157	13·7

SECTION II.

EPIDEMIC DISEASES.

During the year there have been 75 cases of Epidemic Diseases notified, an increase of 42 on the preceding year, when the number was 33. The cases notified consist of 39 of Scarlet Fever, 18 of Diphtheria, 14 of Enteric Fever, 2 of Puerperal Fever, and 2 of Erysipelas.

The following summary gives the notifications of Epidemic Diseases during the last five years.

	1908	1907	1906	1905	1904
Scarlet Fever	39	12	11	13	13
Enteric Fever	14	6	10	5	2
Small-pox	0	0	0	0	1
Diphtheria	18	14	9	5	2
Membranous Croup ...	0	0	0	0	1
Erysipelas	2	0	2	7	1
Puerperal Fever ...	2	0	1	0	0
Cholera	0	1	0	0	0
	<hr/> 75	<hr/> 33	<hr/> 33	<hr/> 30	<hr/> 20

SCARLET FEVER.

Cases, 39. Deaths, 0.

Sporadic cases have occurred in Marton, Wrea Green, War-ton, Treales, Thistleton and Elswick, but in Weeton, Singleton and Hardhorn, which are contiguous townships, there have been 23 cases of this disease notified in June, July, August and November. The first case notified in Singleton was on June 24th. This case was treated at home, and was followed by a succession of 16 cases in the above-mentioned three townships during the month of July, 2 in August, and 4 in November. On investigation being made it was found that one of the children of a family in Hardhorn had been ill on the 19th May; another member of the same family had started on the 25th instant; that the first had gone back to school

on the 15th of June, and on the Sanitary Inspector's visit he found them in the peeling stage of Scarlet Fever. All precautions were taken to prevent spreading.

All these cases were treated in the Hospital with the exception of seven, and all happily with good results.

DIPHTHERIA.

Cases, 18. Deaths, 4.

This disease has been present in the following townships :—
Treales, 1 case in January ; Singleton 1, in May ; Westby 2, in June and December ; Wrea Green 8 : 1 in July and September ; 4 in August and 2 in November ; Marton 2, in October ; Wesham 1, in October ; Freckleton 1, in December, and Warton 2, in December.

There was no connection between the cases in Treales and Singleton. In the former, no cause could be assigned as to its origin, but in the Singleton case there was defective drainage. The first case in Westby was doubtless the origin of the 8 cases in Wrea Green. These cases in Westby and Wrea Green were due first to defective privies, and later to contact at school ; two of these cases ended fatally, viz., the Westby one at home, and one of the Wrea Green cases at the Hospital.

Of the two Marton cases, in one no cause could be detected, and in the other an offensive ditch was the apparent cause. Both of these cases were treated at home ; one terminated fatally, the other recovered.

In the two cases, one in Wesham and the other in Freckleton, no cause could be found.

Two cases in Warton, in December ; both removed to Hospital ; the first died. These were caused by defective privies.

Of the 18 cases, eleven were treated in Hospital and the remainder at their homes. Of the Hospital cases, two terminated fatally ; and of the seven cases treated at home, also two died.

TYPHOID FEVER.

Cases, 14. Deaths, 2.

Of the above disease, in January, two cases, a father and his child, belonged to Wrea Green ; the father contracted the disease from the opening up of an old drain. In April there were two cases in Wesham due to offensive closets and filthy back-yards. In May one case occurred in Carleton ; this was found to be due to bad drainage. In July, other two cases occurred in Wesham, due to offensive privies. In August, three cases occurred in Wesham, one of them in the Fylde Workhouse, a man who had been admitted from St. Annes, and died shortly afterwards. In one of the other two, the condition of the back-yard was sufficient to account for the cause ; in the other, no cause could be discovered. In October, a woman was admitted from Kirkham into the Fylde Workhouse ill ; she was afterwards transferred to the Isolation Hospital suffering from Typhoid, and ultimately died there. The last case was a child of four years of age ; no cause except the general dirty condition of her home could account for the disease.

Of the 14 cases, all but the one who died in the Workhouse were treated in the Joint Isolation Hospital.

INFECTIOUS HOSPITALS.

Two in number, one at Moss Side, the Fylde Joint Isolation Hospital ; the other the Small-pox Hospital at Elswick, a Joint Hospital for Preston, Garstang and the Fylde.

There have been admitted into the Isolation Hospital at Moss Side, during the year, 186 cases of Infectious Diseases, viz.:—114 of Scarlet Fever, 48 of Enteric Fever, 22 of Diphtheria, and 2 of Puerperal Fever.

Of the 186 cases treated in the Hospital there have been 12 deaths, viz., 2 of Scarlet Fever, 4 of Diphtheria, and 6 of Enteric Fever. 59 of these cases belonged to the Fylde Rural District, the remaining 127 coming from the adjoining Urban Districts within the Joint Hospital area.

EPIDEMIC DEATH-RATE.—The seven principal Epidemic Diseases were responsible for 10 deaths in your district, against 6 in 1907. Diphtheria contributed 5 deaths, Whooping Cough 3 deaths, Enteric Fever 1 death, and Diarrhœa 1 death. The rate per 1,000 of the population was 0·87, as compared with 0·53 in 1907, 1·08 in 1906, 1·30 in 1905, 0·75 in 1904, and 1·48 in 1903.

PHTHISIS (Pulmonary Tuberculosis) was accredited with 5 deaths, or a rate of 0·43 per 1,000, against 11 deaths and a rate of 0·97 in the previous year.

RESPIRATORY DISEASES.—Bronchitis, Pneumonia and Pleurisy accounted for 31 deaths, 9 more than in 1907. The rate per 1,000 equalled 2·72 against 1·95 in 1907, 1·90 in 1906, and 1·58 in 1905.

Table V. appended analyses the causes of the deaths amongst infants, and also gives the ages at death.

The following summary gives the Birth and Death Rates for the last 6 years :—

	1908	1907	1906	1905	1904	1903
Birth-rate	25·2	27·0	22·2	24·3	25·6	26·7
Death-rate (corrected) ..	13·7	12·5	12·0	12·1	11·9	14·7
Epidemic Death-rate ..	0·87	0·53	1·08	1·30	0·75	1·48
Phthisis „ ..	0·43	0·97	—	0·27	0·56	0·83
Respiratory „ ..	2·72	1·95	1·90	1·58	1·60	1·86
Rate of deaths under 1 year per 1,000 births..	111	75	117	99	98	125

SECTION III.

GENERAL WORK.

Owing to the prevalence of Epidemic Diseases throughout the most part of the year, Schools have had to close for periods of from two to four weeks in the following townships and months :—

In April—Singleton....	4 weeks for Measles
„ —Carleton	3 „ Measles
In June—Singleton....	2 „ Scarlet Fever
„ —Clifton	2 „ Measles

In July—Marton.....	2 weeks for Measles	
„ —Singleton ..	2 „	Whooping Cough
„ —Ballam	2 „	Whooping Cough and Scarlet Fever
In Aug.—Wrea Green..	2 „	Whooping Cough
„ —Wrea Green..	2 „	Diphtheria
„ —Ballam	2 „	Whooping Cough
In Nov.—Wesham C.E.	4 „	Measles and Mumps
„ —Wesham R.C.	4 „	Measles and Mumps
„ —Wesham R.C.	4 „	Measles and Mumps
(Infants' Department)		
In Dec.—Westby R.C...	4 „	Whooping Cough

In all these Schools the Inspector disinfected and took all precautions.

New sewers have been laid in Clifton, Mowbreck Lane, Wesham ; Back Street, Wesham ; and Wrea Green.

One house at Marton was vacated after having been condemned. A pit at Carleton, causing a nuisance, has been filled up in a satisfactory way. In June a box of fish was condemned as unfit by the Inspector.

SLAUGHTER-HOUSES.—These have been found fairly satisfactory with the exception of one, when a notice had to be given in regard to removal of offal. One new slaughter-house has been registered.

Fourteen samples of water have been taken for chemical examination and one for bacteriological examination.

BAKE-HOUSES.—No complaints.

FACTORY AND WORKSHOP ACTS.

Factories—Number of Inspections...	...	...	...	4
Workshops	„	„	...	10
Defects found ...	...	...	...	1
Reported by other authorities...	...	...	...	2

I remain,

Yours obediently,

CHARLES COURT.

(1.) VITAL STATISTICS OF WHOLE DISTRICT during 1908 and previous years.

YEAR	BIRTHS			TOTAL DEATHS REGISTERED IN THE DISTRICT				NETT DEATHS AT ALL AGES BELONGING TO THE DISTRICT				
	Population estimated to middle of each year	Rate*		Under One Year of age	At all Ages		Deaths of Non-Residents registered in Public Institutions in the District	Deaths of Residents registered in Public Institutions beyond the District	Number	Rate*		
		Number	Rate*		Number	Rate*						
1	2	3	4	5	6	7	8	9	10	11	12	13
1898.....	15,792	420	26.5	61	145	234	14.8	..	5	..	229	14.1
1899.....	16,102	450	27.9	58	128	250	15.5	..	..	..	250	15.5
1900.....	11,680	333	26.2	34	122	207	15.6	..	..	..	207	15.6
1901.....	11,220	290	25.8	33	113	167	14.8	..	..	..	167	14.8
1902.....	11,350	322	28.3	24	74	162	14.2	8	6	2	158	13.9
1903.....	10,479	287	26.7	36	125	156	14.5	13	3	6	159	14.7
1904.....	10,625	273	25.6	27	98	127	11.9	8	5	5	127	11.9
1905.....	10,756	262	24.3	26	99	129	11.9	3	2	4	131	12.1
1906.....	11,045	246	22.2	29	117	141	12.7	11	11	3	133	12.0
1907.....	11,258	304	27.0	23	75	167	14.8	31	28	2	141	12.5
Averages for years 1898-1907	12,030	318	26.0	35	109	174	14.0	..	..	..	170	13.7
1908.....	11,388	287	25.2	32	111	212	18.6	62	58	3	157	13.7

* Rates in Columns 4, 8 and 13 calculated per 1,000 of estimated population.

Area of District in acres (exclusive of area covered by water)..... 38,768

Total population at all ages..... 11,251
 Number of inhabited houses 2,317 } At Census of 1901.
 Average number of persons per house .. 4.9

Institutions within the District receiving sick and infirm persons from outside the District—Fylde Union Workhouse, Kirkham, Fylde Joint Hospital Committee's Hospital at Moss Side, and Preston, Fylde and Garstang Small-pox Hospital at Elswick.
 Institution outside the District receiving sick and infirm persons from the District—Victoria Hospital, Blackpool.

(II.) VITAL STATISTICS OF SEPARATE LOCALITIES in 1908 and previous years.

NAMES OF LOCALITIES	WHOLE DISTRICT				FLEETWOOD (Sub-District)				BLACKPOOL (Sub-District)				KIRKHAM (Sub-District)				LYTHAM (Sub-District)			
	Population esti- mated to middle of each year	Births Registered	Deaths at all ages	Deaths under 1 year	Population esti- mated to middle of each year	Births Registered	Deaths at all ages	Deaths under 1 year	Population esti- mated to middle of each year	Births Registered	Deaths at all ages	Deaths under 1 year	Population esti- mated to middle of each year	Births Registered	Deaths at all ages	Deaths under 1 year	Population esti- mated to middle of each year	Births Registered	Deaths at all ages	Deaths under 1 year
1903	10,479	287	159	36	1,500	32	18	5	1,926	82	36	9	6,647	166	107	21	356	7	3	1
1904	10,625	273	127	27	1,565	38	24	1	1,946	60	25	11	6,758	163	73	14	356	6	5	1
1905	10,756	262	131	26	1,579	38	24	4	1,997	71	20	6	6,816	141	83	15	364	12	4	1
1906	11,045	246	133	29	1,639	29	9	1	2,111	54	28	4	6,928	158	94	23	367	5	2	1
1907	11,258	304	141	23	1,659	36	26	1	2,159	80	32	6	7,075	187	80	16	365	1	3	—
Averages of Years 1903 to 1908	10,839	274	138	28	1,588	34	20	2	2,027	69	28	7	6,844	163	87	17	361	6	3	—
1908	11,388	287	157	32	1,680	45	24	6	2,193	62	28	8	7,142	171	104	17	373	9	1	1

(III.) CASES OF INFECTIOUS DISEASE notified during the year 1908.

NOTIFIABLE DISEASE	CASES NOTIFIED IN WHOLE DISTRICT						TOTAL CASES NOTIFIED IN EACH LOCALITY.						No. of CASES REMOVED TO HOSPITAL FROM EACH LOCALITY.						Deaths in Hospital of Patients re-moved from this District.
	At all Ages	At Ages—Years					Fleetwood Sub-District	Blackpool Sub-District	Kirkham Sub-District	Lytham Sub-District	Fleetwood Sub-District	Blackpool Sub-District	Kirkham Sub-District	Lytham Sub-District	Total Cases Re-moved to Hospital.				
		Under 1	1 to 5	5 to 15	15 to 25	25 to 65													
Small-pox .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Cholera .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Diphtheria (including Membranous Group) ..	18	..	2	14	1	1	1	2	15	..	..	..	..	..	..	..	..	..	..
Erysipelas	2	..	..	..	..	..	..	..	2	..	..	..	..	..	..	..	..	..	..
Scarlet Fever	39	1	5	28	2	2	6	19	14	..	..	14	13	..	32	..	..	..	..
Typhus Fever .....	..	..	..	..	..	..	..	..	13	..	..	..	..	..	..	..	..	..	..
Enteric Fever	14	..	2	5	1	6	1	..	..	..	1	..	..	..	14	..	..	1	..
Relapsing Fever .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Continued Fever .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Puerperal Fever	2	..	..	..	2	..	..	..	2	..	..	..	..	..	2	..	..	..	..
Plague .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
TOTALS	75	1	9	49	6	12	8	21	46		6	14	39		59			3	

Isolation Hospital.—Moss Side Isolation Hospital (Joint).

(IV.) CAUSES OF, AND AGES AT, DEATH
during year 1908.

Causes of Death 1	Deaths at the subjoined ages of "Residents," whether occurring in or beyond the District							Deaths at all ages of "Residents" belong- ing to Localities, whether occurring in or beyond the District					Total Deaths whether of Residents or non "Residents" in Public Institutions in the District
	All Ages 2	Under 1 year 3	1 and under 5 4	5 and under 15 5	15 and under 25 6	25 and under 65 7	65 and upwards 8	Fleetwood 9	Blackpool 10	Kirkham 11	Lytham 12	13	14
Small-pox .....	..	..	..	..	..	..	..	..	..	..	..	..	1
Measles .....	..	..	..	..	..	..	..	..	..	..	..	..	2
Scarlet Fever.....	..	..	..	..	..	..	..	..	..	..	..	..	..
Whooping Cough	3	3	..	..	..	..	..	1	1	1	..	..	..
Diphtheria and Membranous Croup	5	..	3	2	..	..	..	..	2	3	..	..	4
Croup .....	..	..	..	..	..	..	..	..	..	..	..	..	..
Fever { Typhus .....	..	..	..	..	..	..	..	..	..	..	..	..	..
Enteric	1	..	..	..	1	..	..	..	..	1	..	..	7
Other Continued .....	..	..	..	..	..	..	..	..	..	..	..	..	..
Epidemic Influenza	3	..	..	..	..	1	2	..	..	3	..	..	..
Cholera .....	..	..	..	..	..	..	..	..	..	..	..	..	..
Plague .....	..	..	..	..	..	..	..	..	..	..	..	..	..
Diarrhoea.....	1	1	..	..	..	..	..	..	..	1	..	..	1
Enteritis	3	1	..	..	..	2	..	..	..	3	..	..	..
Puerperal Fever .....	..	..	..	..	..	..	..	..	..	..	..	..	1
Erysipelas .....	..	..	..	..	..	..	..	..	..	..	..	..	..
Other Septic Diseases.....	..	..	..	..	..	..	..	..	..	..	..	..	..
Phthisis, Pulm. Tuberculosis	5	..	..	..	1	4	..	1	..	4	..	..	3
Other Tubercular Diseases..	9	3	2	2	..	2	..	..	2	7	..	..	4
Cancer, Malignant Disease..	8	..	..	..	..	6	2	2	3	3	..	..	1
Bronchitis	18	5	2	..	..	2	9	2	1	15	..	..	4
Pneumonia	13	2	3	..	1	3	4	3	3	7	..	..	3
Pleurisy .....	..	..	..	..	..	..	..	..	..	..	..	..	..
Other Diseases of Respira- tory Organs	4	..	..	..	..	3	1	..	..	4	..	..	..
Alcoholism, Cirrhosis of Liver .....	..	..	..	..	..	..	..	..	..	..	..	..	..
Venercal Diseases.....	..	..	..	..	..	..	..	..	..	..	..	..	..
Premature Birth	3	3	..	..	..	..	..	1	1	1	..	..	1
Diseases and Accidents of Parturition .....	..	..	..	..	..	..	..	..	..	..	..	..	..
Heart Diseases	10	..	..	1	1	6	2	2	1	7	..	..	1
Accidents	7	3	1	..	..	2	1	..	1	6	..	..	1
Suicides	3	..	..	..	1	2	..	..	..	3	..	..	..
Old Age .....	..	..	..	..	..	..	..	..	..	..	..	..	..
Diseases of Nervous System	..	..	..	..	..	..	..	..	..	..	..	..	..
Debility .....	..	..	..	..	..	..	..	..	..	..	..	..	..
Diseases of Kidneys.....	..	..	..	..	..	..	..	..	..	..	..	..	..
All other causes	61	11	..	4	3	14	29	12	13	25	1	..	28
All causes.....	157	32	11	9	8	47	50	24	28	104	1	..	62

(V.) *INFANTILE MORTALITY*

Deaths from stated Causes in Weeks

CAUSE OF DEATH	Under 1 Week	1-2 Weeks	2-3 Weeks	3-4 Weeks	Total under 1 Month
COMMON INFECTIOUS DISEASES—					
Small-pox .. ..	..	..	..	..	..
Chicken-pox .. ..	..	..	..	..	..
Measles .. ..	..	..	..	..	..
Scarlet Fever .. ..	..	..	..	..	..
Diphtheria: Croup .. ..	..	..	..	..	..
Whooping Cough .. ..	..	..	..	..	..
DIARRHŒAL DISEASES—					
Diarrhœa, all forms .. ..	..	..	..	..	..
Enteritis, Muco-Enteritis, Gastro-Enteritis .. ..	..	..	..	..	..
Gastritis, Gastro-intestinal Catarrh .. ..	..	..	..	..	..
WASTING DISEASES—					
Premature Birth	1	..	1	..	2
Congenital Defects .. ..	..	..	..	..	..
Injury at Birth .. ..	..	..	..	..	..
Want of Breast-milk, Starvation .. ..	..	..	..	..	..
Atrophy, Debility, Marasmus	1	1	..	1	3
TUBERCULOUS DISEASES—					
Tuberculous Meningitis .. ..	..	..	..	..	..
Tuberculous Peritonitis: Tabes Mesenterica .. ..	..	..	..	..	..
Other Tuberculous Diseases .. ..	..	..	..	..	..
OTHER CAUSES—					
Erysipelas .. ..	..	..	..	..	..
Syphilis .. ..	..	..	..	..	..
Rickets .. ..	..	..	..	..	..
Meningitis (<i>not Tuberculous</i>) .. ..	..	..	..	..	..
Convulsions .. ..	..	..	..	..	..
Bronchitis .. ..	..	..	..	..	..
Laryngitis .. ..	..	..	..	..	..
Pneumonia .. ..	..	..	..	..	..
Suffocation, overlaying .. ..	..	..	..	..	..
Other Causes	1	..	..	..	1
	3	1	1	1	6

District of FYLDE RURAL. Population
Births in the year, 287.

during the year 1908.

and Months under One Year of Age.

1-2 Months	2-3 Months	3-4 Months	4-5 Months	5-6 Months	6-7 Months	7-8 Months	8-9 Months	9-10 Months	10-11 Months	11-12 Months	Total Deaths under 1 Year
..
..
..
..
..	2	..	..	..	..	..	..	1	3
..	1	..	..	..	..	..	..	1
..	1	..	..	1
..
1	3
..
..
..	2	..	..	..	..	..	..	..	..	1	6
..	1	..	..	1	2
..	1	..	..	..	..	..	..	..	1
..
..
..	1	..	..	..	..	1
..	2	..	..	..	..	..	2
..	1	..	1	1	1	..	..	1	..	..	5
..	1	..	..	1	2
..	..	1	..	..	..	..	..	..	..	..	1
..	1	..	..	..	..	..	1	..	..	1	4
1	4	1	4	2	3	1	3	2	..	5	32

(estimated to middle of 1908), 11,388.
Deaths from all Causes at all Ages, 157.

FYLDE RURAL DISTRICT COUNCIL.



*To the Chairman and Members of the Fylde Rural
District Council.*

GENTLEMEN,

I have again the honour of presenting to you the Annual Report and Summary of work done within your district for the year ending December 31st, 1908, this being my Nineteenth Annual Report.

PUBLIC HEALTH ACT.

Total number of Preliminary Notices	...	...	...	55
Second Notices issued by Order of Council	...	...	...	10
Special Reports	...	...	...	12
Dwelling-houses vacated after condemnation	...	...	...	1
Dwelling-houses improved	...	...	...	1
New drains put in for waste and refuse water	..	...	...	34
Existing drains opened, cleaned and rectified	...	...	...	23
Offensive ashpits rectified	...	...	...	1
Defective water-closets repaired	...	...	...	4
Privies converted into water-closets	...	...	...	10
Offensive privies improved	...	...	...	3
New privies built	...	...	...	2
Privies cleaned	...	...	...	2
Nuisances arising from stagnant sewage abated	...	...	...	1
Accumulations of manure removed	...	...	...	4
Offensive ditches cleaned out	...	...	...	6
Sewage and urine tanks cleaned out	...	...	...	7
Farm yards and premises drained	...	...	...	2
Dead animals and garbage removed and buried	...	...	...	1
Fish Offal buried	...	...	...	1
Nuisances caused from pig-keeping abated	...	...	...	4

Insanitary cellars improved	...	...	...	...	...	2
Slopstone pipe disconnected from drain	...	...	...	...	...	1
Water courses cleaned	...	...	...	...	...	6
Old drains tested with smoke test	...	...	...	...	...	17
New drains tested with smoke test	...	...	...	...	...	34
Inspection chambers provided in drains	...	...	...	...	...	21

The defects remedied are distributed over the district as follows :—

Bryning and Warton...	...	...	...	...	...	0
Clifton-with-Salwick	...	...	...	...	...	1
Freckleton	...	...	...	...	...	3
Greenhalgh-with-Thistleton	...	...	...	...	...	0
Newton-with-Scales	...	...	...	...	...	6
Medlar-with-Wesham	...	...	...	...	...	28
Treales, Roseacre and Wharles...	...	...	...	...	...	2
Ribby-with-Wrea	...	...	...	...	...	24
Westby-with-Plumptions	...	...	...	...	...	3
Weeton-with-Preese	...	...	...	...	...	0
Elswick and Little Eccleston	...	...	...	...	...	2
Carleton	...	...	...	...	...	24
Hardhorn	...	...	...	...	...	5
Singleton	..	...	...	...	...	1
Marton	...	...	...	...	...	11

In the month of June my attention was directed to a box of fish, and upon examination I found same unfit for food, and ordered them to be destroyed, which was at once done.

SLAUGHTER-HOUSES.

These have on the whole been well kept, one having had to be warned about the removal of the offal. One new slaughter-house has been registered at Freckleton, which is being used in place of an existing one.

BAKE-HOUSES.

No complaints.

SEWERS.

During the year a new sewer has been constructed at Clifton to drain the houses on the south side of the village.

The sewer in Mowbreck Lane, Wesham, was found not to be working satisfactorily ; this was reported and considered by you, when it was decided to take the same up and relay it, which has been done.

The sewer in Back Street, situate between Woods' Terrace, Wesham, and the Fylde Workhouse was also taken out and relaid with larger pipes, the fall also being improved.

During the latter part of the year the sewer at Wrea Green has been extended to Ribby Cottage, and at the time of drafting this Report most of the drains have been connected thereto.

WATER COURSES.

Through the intervention of your officers the tenants of six holdings have been prevailed upon to clean out the main water course running along their holdings.

INFECTIOUS DISEASES.

Number of infectious cases inquired into...	...	...	70
Dwelling-houses disinfected after Scarlet Fever	...		24
„ „ Typhoid	...	...	12
„ „ Diphtheria	...	...	17
Schools disinfected after infectious diseases	...	...	7

LEGAL PROCEEDINGS.

It has been found necessary to institute legal proceedings in two instances ; both for neglecting to abate nuisances after notice duly served.

PUBLIC HEALTH (WATER ACT).

Samples taken and submitted for examination	...	14
Supplies improved by cleaning wells	... ..	2

NEW HOUSES.

During the year the following new houses have been built and passed for habitation, situate as follows:—Carleton 9, Treales 2, Wesham 10, Weeton 1, Wrea Green 2, Newton-with-Scales 2, Little Eccleston 1, Freckleton 1, Marton 1, making a total of 29, all of which are supplied with the Fylde Water Board's water.

DAIRIES AND COW SHEDS.

These have been well kept. One notice to remove swine from the cow shed was necessary, and a new shippon was provided in place of old one at another farm as the outcome of a personal interview with the trustee.

In conclusion, I wish to add that much sanitary work has been accomplished without the service of notices, and I must thank those who have acted on the verbal recommendations of the Medical Officer and myself.

I am,

Yours faithfully,

JAMES JOLLY,

Sanitary Inspector.



